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TITLE : EMBOSSED RELEASE PAPER AND PRODUCTION THEREOF

ABSTRACT : PROBLEM TO BE SOLVED: To prevent that air enters the gap between an selfadhesive sheet and an article to expand a surface by providing a large number of fine discontinuous recessed parts to a release treatment surface and making the opposite surface thereof smooth.

SOLUTION: At first, polyethylene is laminated to both surfaces of fine paper with a basis wt. of  $110\text{g/m}^2$  in a thickness of  $20\mu\text{m}$ . Further, a silicone resin is applied to the single laminate surface to perform release treatment to obtain single-side release paper. Embossing processing is applied to the release treatment surface of the single-side release paper (moisture; 4-8%) thus obtained at  $60-80^\circ\text{C}$  under conditions of 1300mm width and the total pressure of 130t by using a metal carving roll with a mesh size of 65 and depth of  $65\mu\text{m}$ . The emboss depth of the embossed release paper produced by this method becomes  $25\mu\text{m}$  and only the release surface thereof is subjected to embossing processing. When a self-adhesive sheet is peeled from this release paper and bonded to other article, it can be prevented that air enters the gap between the self-adhesive sheet and the article to expand a surface and, since the rear surface of the release paper is smooth, excellent processing aptitude is obtained.

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